

Title (en)  
SEGMENTAL RIB CARRIAGE INSTRUMENTATION

Title (de)  
INSTRUMENTATION ZUR SEGMENTÄREN RIPPENABSTÜTZUNG

Title (fr)  
SUPPORTS POUR LES COTES

Publication  
**EP 0645989 B1 19990519 (EN)**

Application  
**EP 93916460 A 19930608**

Priority  
• US 9305474 W 19930608  
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Abstract (en)  
[origin: WO9325161A2] Applicant's invention includes an apparatus and associated method for treating or managing spinal deformities, including scoliosis, abnormal kyphosis, vertebral fractures and tumors, through attachment of spinal rods to ribs adjacent to the spine, rather than to the spine itself. The attachment means are designed whereby the ribs are completely encircled once the rods and attachment means are fully implanted, thereby virtually eliminating the chance of inadvertent dislodging of the rods.

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IPC 8 full level  
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CPC (source: EP US)  
**A61B 17/6433** (2013.01 - US); **A61B 17/707** (2013.01 - EP); **F16B 39/38** (2013.01 - EP US)

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**WO 9325161 A2 19931223**; **WO 9325161 A3 19941222**; AT E180160 T1 19990615; AU 4630393 A 19940104; CA 2137660 A1 19931223; CA 2137660 C 20040203; DE 69325023 D1 19990624; DE 69325023 T2 20000105; EP 0645989 A1 19950405; EP 0645989 A4 19960320; EP 0645989 B1 19990519; ES 2134265 T3 19991001; US 5632744 A 19970527; US 5800434 A 19980901

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